



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

Clopay Building Products Company
8585 Duke Boulevard
Mason, OH 45040

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Commercial Ribbed W6 DP38T Steel Sectional Garage Door up to 14'-2" Wide with Optional EPS Insulation

APPROVAL DOCUMENT: Drawing No. **104924**, titled "Commercial Ribbed Doors up to 14'-2" W", sheets 1 through 3 of 3, dated 04/17/2015, prepared by Clopay Building Products Company, signed and sealed by Mark Westerfield, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: A permanent label with the manufacturer's name or logo, manufacturing address, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



Signature
07/08/2015

NOA No 15-0507.04
Expiration Date: July 16, 2020
Approval Date: July 16, 2015
Page 1

Clopay Building Products Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **104924**, titled "Commercial Ribbed Doors up to 14'-2" W", sheets 1 through 3 of 3, dated 04/17/2015, prepared by Clopay Building Products Company, signed and sealed by Mark Westerfield, P.E.

B. TESTS

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
4) Forced Entry Test, per FBC TAS 202-94
5) Tensile Test per ASTM E8
along with marked-up drawings and installation diagram of Clopay Model 524W6, 14'-2" wide x 8' high, 24 ga. steel garage doors, prepared by American Test Lab, Inc., Test Report No. **ATLNC 0410.01-14**, dated 06/25/2014, signed and sealed by David W. Johnson, P.E.
2. Test report on Salt Spray per ASTM B117 of painted G40 galvanized painted and G90 panels, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **7890**, dated 10/01/2014, signed by Idalmis Ortega, P.E.

C. CALCULATIONS

1. Anchoring calculations prepared by Clopay Building Products Company, dated 04/27/2015, signed and sealed by Mark Westerfield, P.E.

D. QUALITY ASSURANCE


1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Test report on Ignition Properties of Plastics per ASTM D1929 of Premier Industries' Type I EPS, Report No. **3082959-500**, prepared by Intertek Testing Services, NA, Inc., dated 09/16/2005, signed by C. Anthony Peñaloza.
2. Test report on Surface Burning Characteristics, per ASTM E84 of Premier Industries' Type I EPS, Report No. **3082960-500**, prepared by Intertek Testing Services, NA, Inc., dated 10/04/2005, signed by Javier Trevino

F. STATEMENTS

1. Statement letter of code conformance to the 5th edition (2014) FBC dated 04/27/2015, signed and sealed by Mark Westerfield, P.E.
2. Statement letter of no financial interest issued by Clopay Building Products Company, dated 04/27/2015, signed and sealed by Mark Westerfield, P.E.


07/08/2015

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 15-0507.04
Expiration Date:
Approval Date:

4

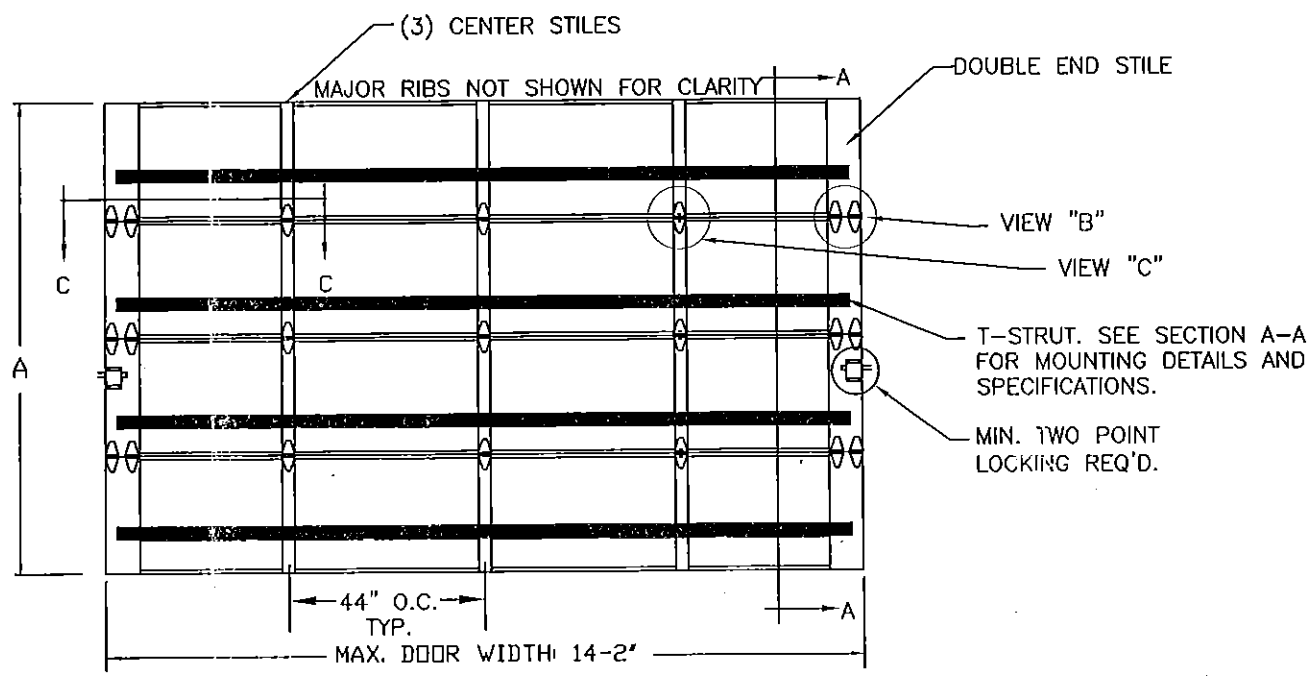
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2

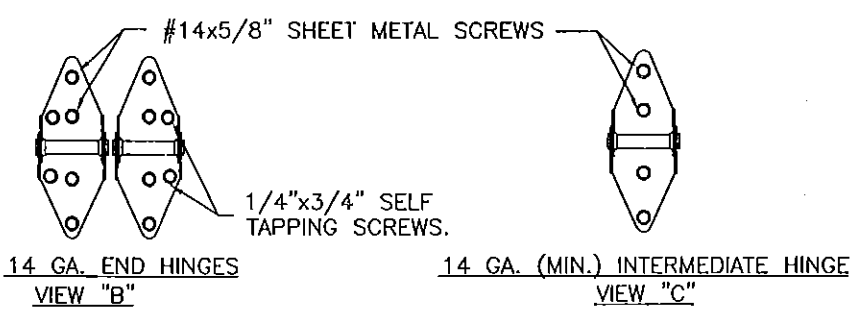
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SHEET		REVISIONS				
1 OF 3		REV. NO.	ZONE	DATE	ECN NO.	APPVD: DESCRIPTION
		02	-	4/17/15	-	MWW REVISED LAYOUT TO 3 PAGES

MODELS AVAILABLE (CLOPAY/ HOLMES/ IDEAL)
524(24 ga.), 520(20 ga.)/ 224(24 ga.)/ C4ST(24 ga.), COST(20 ga.) < NON-INSULATED
524V(24 ga.), 520V(20 ga.)/ 224V(24 ga.)/ C4STV(24 ga.), COSTV(20 ga.) < INSULATED



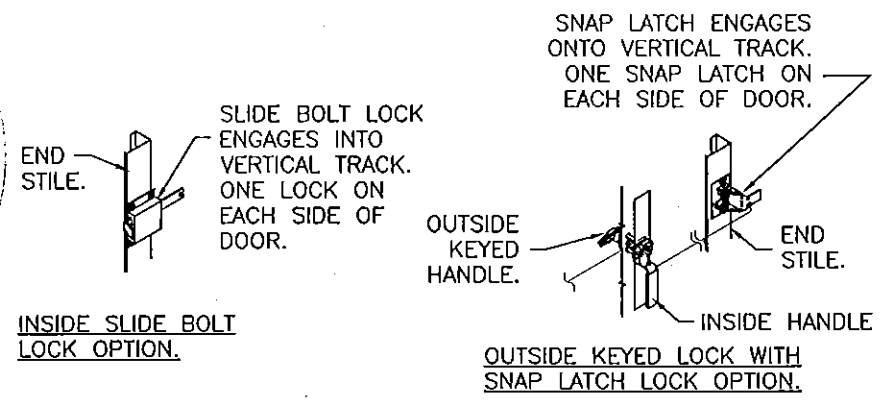
DOOR HEIGHT 'A'	NUMBER OF SECTIONS
UP TO 8'-0"	4
8'-3" THRU 10'-0"	5
10'-3" THRU 12'-0"	6
12'-3" THRU 14'-0"	7
14'-3" THRU 16'-0"	8
16'-3" THRU 18'-0"	9



Approved as complying with the
Florida Building Code
Date 07/16/2015
NOAH 15-0507.04
Miami Dade Product Control
By *[Signature]*

PROFESSIONAL
MARK WESTERFIELD
P.E.
4/28/15

DESIGN ENGINEER:
MARK WESTERFIELD, P.E.
FLORIDA P.E. #48495



DESIGN LOADS: +38.0 P.S.F. & -42.0 P.S.F.

Unless Stated Otherwise
TOLERANCES are
.0 = ±.031
.00 = ±.015
.000 = ±.005
.0000 = ±.001
Degrees = ±1/2°
Unless Stated Otherwise
DIMENSIONS ARE IN INCHES.

Clopay
Building Products Company
8585 Duke Boulevard
Mason, OH 45040 USA
Tel. No. 513-770-4800
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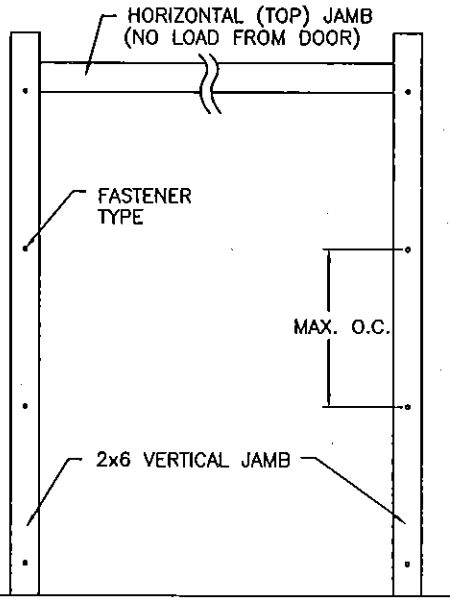
DESCRIPTION: COMMERCIAL RIBBED DOORS UP TO 14'2"W			
DRAWN BY: SH	DATE: 4/1/14	SCALE: NTS	DWG. B
CHECKED BY: MWW	DATE: 4/17/15	SHEET 1 OF 3	SIZE B
DWG. NO.: 104924		VER: M-D	

MANUFACTURING PRODUCT CODE
C-PAN-1E448
PART NO.: N/A

WINDLOAD RATING
W6 DP38T

SHEET: 2 OF 3		REVISIONS				
REV. NO.	ZONE	DATE	ECN NO.	APPVD	DESCRIPTION	
02	-	-	-	---	SEE REVISION HISTORY ON SHEET ONE.	

MODELS AVAILABLE (CLOPAY/ HOLMES/ IDEAL)
524(24 ga.), 520(20 ga.)/ 224(24 ga.)/ C4ST(24 ga.), COST(20 ga.) < NON-INSULATED
524V(24 ga.), 520V(20 ga.)/ 224V(24 ga.)/ C4STV(24 ga.), COSTV(20 ga.) < INSULATED



JAMB TO SUPPORTING STRUCTURE ATTACHMENT

- NOTES:
1. ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE TRACK AND THEN FROM THE TRACK TO THE 2x6 VERTICAL SYP (GRADE #2 OR BETTER) JAMBS. NO LOAD FROM THE DOOR IS TRANSFERRED TO THE HORIZONTAL (TOP) JAMB.
 2. EACH VERTICAL JAMB SEES A MAXIMUM DESIGN LOAD OF +266 LB & -294 LB. PER LINEAR FOOT OF JAMB.
 3. ALL JAMB FASTENERS MAY BE (BUT ARE NOT REQUIRED TO BE) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
 4. A 1/3 STRESS INCREASE FOR WIND LOAD WAS NOT USED IN THE CALCULATION OF ALLOWABLE LOADS FOR ANCHORS AND FASTENERS FOR STEEL, CONCRETE AND MASONRY.

NOTE: 2x6 WOOD JAMBS ARE NOT REQUIRED WITH CONTINUOUS ANGLE MOUNT TRACK. HOWEVER, IF DESIRED ON STEEL JAMBS OR CONCRETE OR BLOCK WALLS, APPROVED FASTENERS AS DETAILED BELOW SHOULD BE INCREASED IN LENGTH BY 1-1/2" AND INSTALLED DIRECTLY THROUGH THE ANGLE AND 2x6 WOOD JAMBS INTO THE STEEL JAMBS OR CONCRETE OR BLOCK WALLS. ANCHORS CAN BE (BUT ARE NOT REQUIRED TO BE) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE. CONTINUOUS ANGLE TRACK CAN BE ANCHORED DIRECTLY TO GROUT REINFORCED BLOCK WALL OR 3,000 PSI MIN. CONCRETE COLUMN OR STEEL JAMBS.

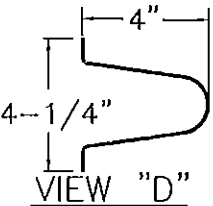
SECTIONS ARE 1-7/8" THICK
PANELS ROLL FORMED OF .022" MIN.
HOT DIPPED G-40 GALVANIZING,
ROLL FORMED STEEL.
MIN. YIELD STRENGTH 56.7 KSI

OPTIONAL 1# POLYSTYRENE INSULATION
(SEE MODEL EXPLANATION)

ADJUSTABLE TOP ROLLER BRACKET
OF 12 GA. GALV. STEEL, INSTALLED
ON DOOR WITH (4) #14 X 5/8" LG
SHEET METAL SCREWS

ONE 4" T-STRUT PER
SECTION. (SEE VIEW "D")
EACH T-STRUT ATTACHED
AT EACH STILE LOCATION
WITH (2) 1/4"x3/4" SELF
TAPPING SCREWS.

TONGUE & GROOVE JOINT.
END HINGE. SEE DETAILS
AT VIEW "B" ON SHEET 1.



4" TALL TAPER STRUT.
0.057" MIN. GALV. STEEL,
50 KSI. MIN.

(2) STACKED LHR BRACKETS USED
AS INNER BOTTOM BRACKET (NOT
SHOWN).

BOTTOM ROLLER BRACKET OF 12 GA.
MIN. GALV. STEEL, FASTENED WITH
(4) #14 X 5/8" LG SHT. MTL.
SCREWS

BOTTOM SECTION REINFORCED
WITH TEMPERED ALUMINUM
EXTRUSION WITH INTEGRAL
RETAINER FOR FLEXIBLE VINYL
ASTRAGAL

SECTION A-A (SIDE VIEW)

Approved as complying with the
Florida Building Code
Date 07/16/2015
NOAH 15-2807.04
Miami Design Product Control

By *[Signature]*

FASTENER ATTACHMENT TO SUPPORTING STRUCTURE SCHEDULES

BUILDING TYPE	FASTENER TYPE	MAXIMUM ON-CENTER DISTANCE BETWEEN FASTENERS*	STEEL WASHERS REQUIRED?
HOLLOW BLOCK WALL	1/4" x 1-1/4" MIN. EMBED ULTRACON CONCRETE ANCHOR	6-1/4"	1" O.D.
GROUT FILLED BLOCK WALL	1/4" x 1-3/4" MIN. EMBED ULTRACON CONCRETE ANCHOR	10-1/4"	1" O.D.
2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED ULTRACON CONCRETE ANCHOR	9"	1" O.D.
2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED TAPCON CONCRETE ANCHOR	7-1/2"	1" O.D.
2000 PSI MIN. CONCRETE	3/8" x 1-3/4" MIN. EMBED WEJ-IT ANKR TITE SLEEVE ANCHOR	18-3/4"	INCLUDED
4000 PSI MIN. CONCRETE	3/8" x 1-3/4" MIN. EMBED WEJ-IT ANKR TITE SLEEVE ANCHOR	24"	INCLUDED
WOOD FRAME (SYP 0.55 SG)	1/2" x 3" LAG SCREW (ASTM A307, GRADE A) 1-5/8" EMBED INTO STRUCTURE	20-1/4"	1" O.D.
14GA STEEL (0.060" MIN.)	1/4"-14 x 1" ITW BUILDDEX TEKS SELF-DRILLING FASTENER	8-1/2"	1" O.D.
12GA STEEL (0.105" MIN.)	1/4"-14 x 1" ITW BUILDDEX TEKS SELF-DRILLING FASTENER	15"	1" O.D.
1/8" STEEL	1/4"-14 x 1" ITW BUILDDEX TEKS SELF-DRILLING FASTENER	17-3/4"	1" O.D.

* FIRST (BOTTOM) ANCHOR STARTING AT NO MORE THAN HALF OF THE MAXIMUM ON-CENTER DISTANCE. HIGHEST ANCHOR INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING.
CLOPAY DOES NOT SUPPLY JAMB ATTACHMENT FASTENERS.
MINIMUM DISTANCE BETWEEN CENTER OF ANCHOR AND EDGE OF CONCRETE BLOCK: 2-1/2", EXCLUDING STUCCO THICKNESS.

DESIGN ENGINEER
MARK WESTERFIELD, P.E.
FLORIDA P.E. #48495

DESIGN LOADS: +38.0 P.S.F. & -42.0 P.S.F.

Unless Stated Otherwise
TOLERANCES are
.0 = ±.031
.00 = ±.015
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DIMENSIONS ARE IN INCHES.

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MANUFACTURING PRODUCT CODE
C-PAN-1E448

PART NO.: N/A

WINDLOAD RATING
W6 DP38T

DESCRIPTION: COMMERCIAL RIBBED DOORS UP TO 14'2"W

DRAWN BY: SH	DATE: 4/1/14	SCALE: NTS	DWG. SIZE B
CHECKED BY: MWW	DATE: 4/17/15	SHEET 2 OF 3	
DWG. NO.: 104924	VER: M-D		

MODELS AVAILABLE (CLOPAY/ HOLMES/ IDEAL)

524(24 ga.), 520(20 ga.)/ 224(24 ga.)/ C4ST(24 ga.), COST(20 ga.) < NON-INSULATED

524V(24 ga.), 520V(20 ga.)/ 224V(24 ga.)/ C4STV(24 ga.), COSTV(20 ga.) < INSULATED

SHEET

3 OF 3

REVISIONS

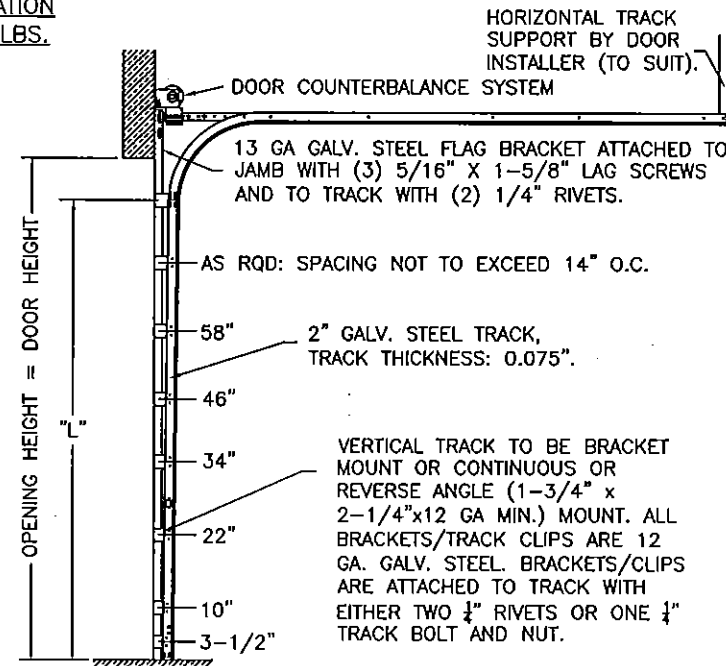
REV. NO.	ZONE	DATE	ECN NO.	APPVD	DESCRIPTION
02	-	-	-	--	SEE REVISION HISTORY ON SHEET ONE.

2" TRACK CONFIGURATION DOORS UP TO 800 LBS.

NOTE DOUBLE TRACK HEADROOM, HI-LIFT TRACK, FOLLOW-THE-ROOF TRACK, AND VERTICAL LIFT TRACK ARE AVAILABLE OPTIONS. TRACK CONFIGURATION ABOVE THE DOOR OPENING DOES NOT AFFECT THE WIND LOAD RATING.

Approved as complying with the Florida Building Code
Date 07/16/2015
NOAH 15-0507.04
Miami Dade Product Control

By *[Signature]*



DOOR HEIGHT "L"	"L"
6'-6"	70"
7'-0"	76"
7'-6"	82"
8'-0"	88"
8'-6"	94"
9'-0"	100"
9'-6"	106"
10'-0"	112"
10'-6"	118"
11'-0"	124"
11'-6"	130"
12'-0"	136"
12'-6"	142"
13'-0"	148"
13'-6"	154"
14'-0"	160"
14'-6"	166"
15'-0"	172"
15'-6"	178"
16'-0"	184"
16'-6"	190"
17'-0"	196"
17'-6"	202"
18'-0"	208"

JAMB CONFIGURATION DOORS UP TO 800 LBS.

2x6 SYP WOOD JAMB. REQUIRED FOR BRACKET MOUNT.

2-1/2" X 12 GA. GALV. STEEL TRACK BRACKETS FASTENED TO WOOD JAMBS WITH 5/8" X 1-5/8" LAG SCREWS NOT TO EXCEED 14" ON-CENTER.

2" GALV. STEEL TRACK FASTENED TO 12 GA. GALV. STEEL TRACK BRACKETS WITH EITHER (2) 1/4" DIA. RIVETS OR (1) 1/4" X 5/8" BOLT & NUT PER TRACK BRACKET.

BRACKET MOUNT JAMB CONFIGURATION

OPTIONAL STOP MOULDING BY INSTALLER (TO SUIT).

16 GA. X 6" X 1-7/8" GALV. STEEL DOUBLE END STILE FASTENED WITH TOG-L-LOC SYSTEM AT TOP, BOTTOM AND CENTER.

7/16" I.D. ROUND PUSH NUT FASTENER.

14 GA. GALV. STEEL ROLLER HINGES FASTENED TO END STILES W/(4) EACH #14x5/8" SHEET METAL SCREWS AND (2) 1/4" SELF TAPPING SCREWS PER END HINGE.

2" DIA. 7-1/2" LONG STEM, 10 BALL STEEL ROLLER WITH STEEL OR NYLON TIRE.

SECTION C-C

PREPARATION OF JAMBS BY OTHERS.

ANGLE MOUNT JAMB CONFIGURATION

18 GA. X 2" X 1-7/8" X 3/4" GALV. STEEL INTERMEDIATE STILE FASTENED TO DOOR SKIN WITH TOG-L-LOC SYSTEM AT TOP, BOTTOM AND EA. MAJOR RIB.

2x6 SYP JAMB (IF PRESENT; SEE JAMB NOTES ON SHEET 2).

VERTICAL TRACK TO BE CONTINUOUS OR REVERSE ANGLE. 12 GA. TRACK CLIPS ATTACHED TO WALL ANGLE WITH TWO 1/4" RIVETS PER CLIP. TRACK CLIPS ARE ATTACHED TO TRACK WITH EITHER TWO 1/4" RIVETS OR ONE 1/4" BOLT AND NUT. FOR WOOD JAMBS: ONE 5/16" X 1-5/8" LAG SCREW AT EACH TRACK CLIP LOCATION. ALSO TWO LAG SCREWS LOCATED ABOVE VERTICAL/HORIZONTAL TRACK JUNCTION.

14 GA. GALV. STEEL CENTER HINGE FASTENED TO SECTION W/(4) EACH #14x5/8" SHEET METAL SCREWS.

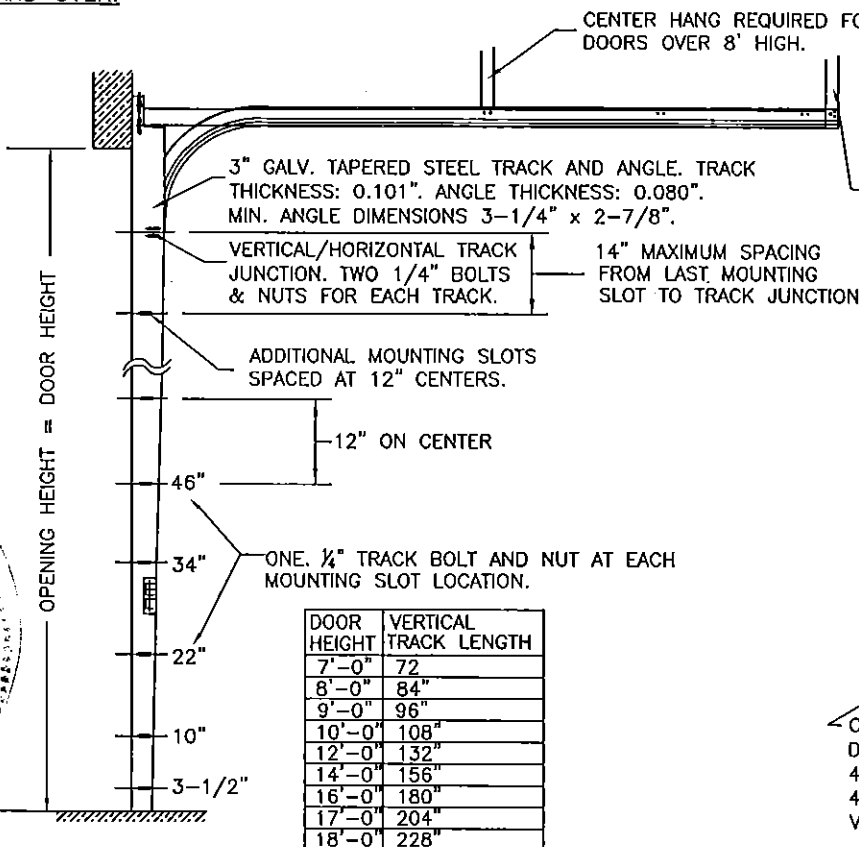
LHR BRACKET (2-1/2" X 5-3/4" X 12GA) ATTACHED WITH (2) 1/4" X 3/4" SELF TAPPING SCREWS. NOTE THAT LHR BRACKETS ARE ALSO USED WITH "DOUBLE END STILE" AS NOTED ON SHEET 2.

DOUBLE TRACK LOW HEADROOM OPTION (AVAIL. FOR BOTH 2" AND 3" TRACK)

DOUBLE HORIZONTAL TRACK.

3" TRACK CONFIGURATION DOORS 800 LBS AND OVER.

NOTE DOUBLE TRACK HEADROOM, HI-LIFT TRACK, FOLLOW-THE-ROOF TRACK, AND VERTICAL LIFT TRACK ARE AVAILABLE OPTIONS. TRACK CONFIGURATION ABOVE THE DOOR OPENING DOES NOT AFFECT THE WIND LOAD RATING.



DOOR HEIGHT	VERTICAL TRACK LENGTH
7'-0"	72"
8'-0"	84"
9'-0"	96"
10'-0"	108"
12'-0"	132"
14'-0"	156"
16'-0"	180"
17'-0"	204"
18'-0"	228"

JAMB CONFIGURATION DOORS 800 LBS AND OVER.

2x6 SYP JAMB (IF PRESENT; SEE JAMB NOTES ON SHEET 3).

3-1/4" X 2-7/8" MIN. X 0.080" TAPERED ANGLE. SEE LAG BOLT MOUNTING AT TRACK CONFIGURATION BELOW.

0.101" THICK 3" GALV. STEEL TRACK FASTENED TO TAPERED ANGLE. TRACK ATTACHED TO TAPERED ANGLE WITH ONE 1/4" X 5/8" BOLT & NUT AT EACH MOUNTING SLOT.

1" DOOR OVERLAP (EACH SIDE)

OPTIONAL STOP MOULDING BY DOOR INSTALLER (TO SUIT).

16 GA. X 6" X 1-7/8" GALV. STEEL DOUBLE END STILE FASTENED WITH TOG-L-LOC SYSTEM AT TOP, BOTTOM AND CENTER.

18 GA. X 2" X 1-7/8" X 3/4" GALV. STEEL INTERMEDIATE STILE FASTENED TO DOOR SKIN WITH TOG-L-LOC SYSTEM AT TOP, BOTTOM AND EACH MAJOR RIB.

7/16" I.D. ROUND PUSH NUT FASTENER.

18 GA. GALV. STEEL CENTER HINGE FASTENED TO SECTION W/(4) EACH #14x5/8" SHEET METAL SCREWS.

14 GA. GALV. STEEL ROLLER HINGES FASTENED TO END STILES W/(4) EACH #14x5/8" SHEET METAL SCREWS AND (2) 1/4" SELF TAPPING SCREWS PER END HINGE.

3" DIA. 8-1/2" LONG STEM BALL BEARING STEEL ROLLER.

SECTION C-C

PREPARATION OF JAMBS BY OTHERS.

DESIGN LOADS: +38.0 P.S.F. & -42.0 P.S.F.

Unless Stated Otherwise TOLERANCES are

.0 = ±.031
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MANUFACTURING PRODUCT CODE

C-PAN-1E448

PART NO.: N/A

WINDLOAD RATING

W8 DP52T

DESCRIPTION: COMMERCIAL RIBBED DOORS UP TO 14'2"W

DRAWN BY: SH

DATE: 4/1/14

SCALE: NTS

DWG. B

CHECKED BY: MWW

DATE: 4/17/15

SHEET 3 OF 3

SIZE B

DWG. NO.: 104924

VER: M-D

DESIGN ENGINEER
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